



# Dovecot SSL Configuration

Serge Y. Stroobandt

Copyright 2022, licensed under [Creative Commons BY-NC-SA](#)

This document is still under construction.

## Server account testing

```
$ sudo doveadm log errors

$ tail /var/log/mail.err

$ sudo doveadm user serge
  field  value
  uid    1000
  gid    1000
  home   /home/serge
  mail   maildir:~/Mail
  system_groups_user  serge

$ sudo doveadm auth test serge
```

## DH parameters

### Diffie-Hellman parameters

```
$ sudo doveadm log errors
  Oct 09 15:00:02 Warning: config: please set ssl_dh=</etc/dovecot/dh.pem
  Oct 09 15:00:02 Warning: config: You can generate it with: dd
if=/var/lib/dovecot/ssl-parameters.dat bs=1 skip=88 | openssl dhparam
-inform der > /etc/dovecot/dh.pem

$ cd /usr/share/dovecot/

$ sudo su
root@c2550:/home/etc/dovecot/dovecot.current# dd if=/var/lib/dovecot/ssl-
parameters.dat bs=1 skip=88 | openssl dhparam -inform der >
/etc/dovecot/dh.pem
  272+0 records in
  272+0 records out
  272 bytes copied, 0.00161711 s, 168 kB/s
root@c2550:/home/etc/dovecot/dovecot.current# exit
exit
```

## SSL certificate creation

```
$ cd /etc/dovecot/ssl/

$ sudo rm *

$ cd /usr/share/dovecot/

$ sudo vim dovecot-openssl.cnf

$ sudo vim mkcert.sh

    $OPENSSL req -new -x509 -nodes -config $OPENSSLCONFIG -out $CERTFILE
-keyout $KEYFILE -days 3650 || exit 2

$ sudo ./mkcert.sh
```

## HTTPS certificate publishing

```
$ sudo vim /etc/dovecot/conf.d/10-master.conf
```

```
service imap-login {
  inet_listener imap {
    #port = 143
  }
  inet_listener imaps {
    #port = 993
    #ssl = yes
  }
  inet_listener https {
    port = 443
    ssl = yes
  }
}
```

```
$ sudo service dovecot restart
```







## Client account testing

```
$ openssl s_client -connect c2550:imaps

$ telnet c2550 imaps
a LOGIN serge <password>
```

# Thunderbird

Find in Settings

-  General
-  Composition
-  Privacy & Security
-  Chat
  
-  Account Settings
-  Add-ons and Themes

Allow Thunderbird to send backlogged crash reports on your behalf [Learn more](#)

---

### Security

#### Scam Detection

Thunderbird can analyze messages for suspected email scams by looking for common techniques used to deceive you.

Tell me if the message I'm reading is a suspected email scam

#### Antivirus

Thunderbird can make it easy for antivirus software to analyze incoming mail messages for viruses before they are stored locally.

Allow antivirus clients to quarantine individual incoming messages

#### Certificates

When a server requests my personal certificate:

Select one automatically  Ask me every time

Query OCSP responder servers to confirm the current validity of certificates

[Manage Certificates...](#)  
[Security Devices...](#)

## Certificate Manager

Your Certificates    Authentication Decisions    People    **Servers**    Authorities

These entries identify server certificate error exceptions

Server	Certificate Name	Lifetime

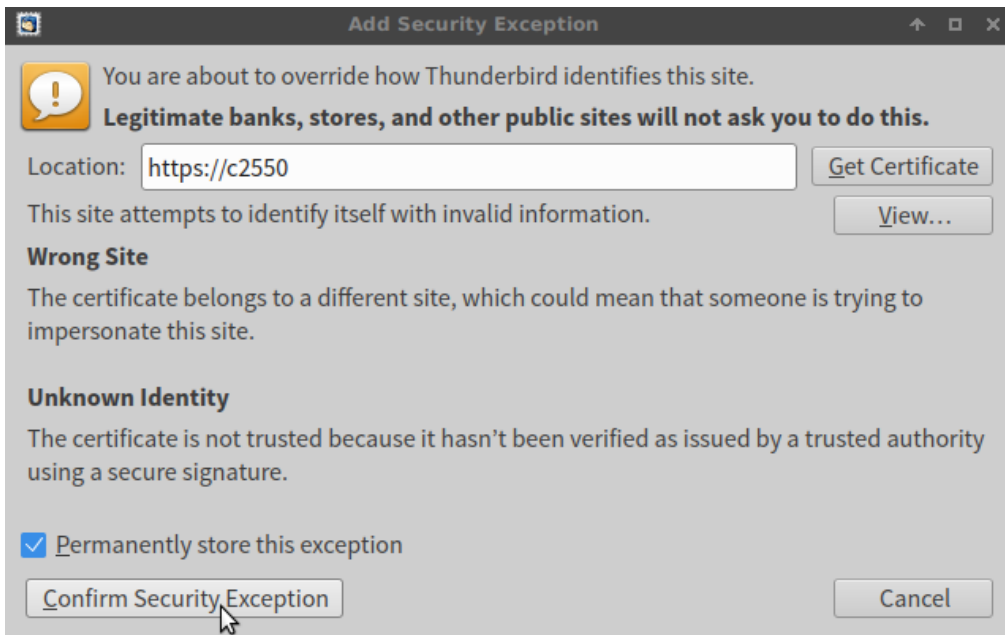
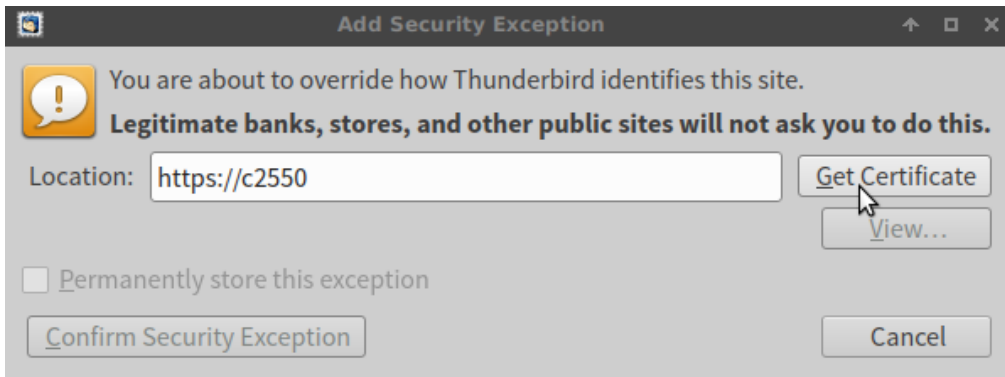
[View...](#)

[Export...](#)

[Delete...](#)

[Add Exception...](#)

OK



### Certificate Manager

Your Certificates    Authentication Decisions    People    **Servers**    Authorities

These entries identify server certificate error exceptions

Server	Certificate Name	Lifetime
c2550:443	c2550	Permanent

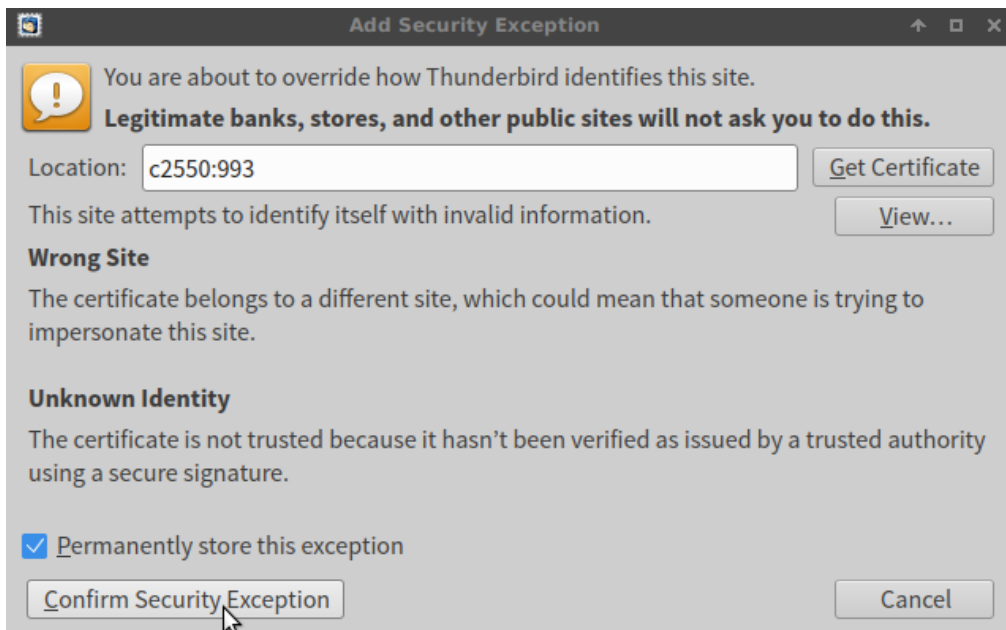
View...

Export...

Delete...

Add Exception...





### Certificate Manager

Your Certificates    Authentication Decisions    People    **Servers**    Authorities

These entries identify server certificate error exceptions

Server	Certificate Name	Lifetime
c2550:443	c2550	Permanent
c2550:993	c2550	Permanent

[View...](#)    [Export...](#)    [Delete...](#)    [Add Exception...](#)



```
$ cd ~/.thunderbird/5usajp37.default
$ gvim cert_override.txt
```



This work is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/).

Other licensing available on request.

Unattended [CSS](https://www.w3.org/Style/CSS) typesetting with . The Prince logo features the word 'Prince' in a purple serif font with 'Print with CSS' in a smaller font above it.

This work is published at <https://hamwaves.com/dovecot.ssl/en/>.

Last update: Tuesday, October 11, 2022.